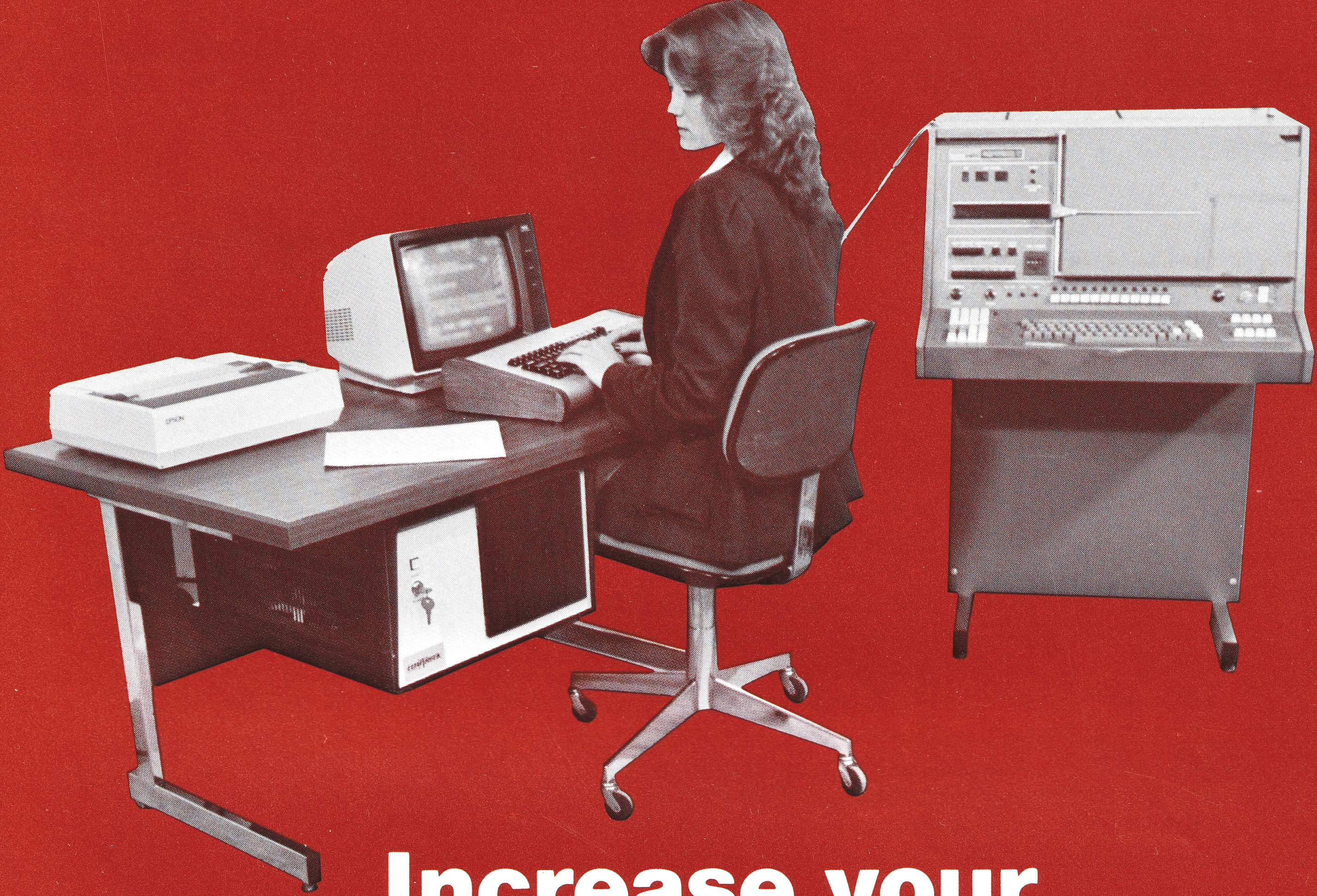


Increase your Compugraphic Throughput

Give it editing capability! Give it memory!

COMTRECK™

4115 Jackson Road
Ann Arbor, Michigan 48103
(313) 662-6214

Comtreck WP2 Typesetting System

If you have or are contemplating the purchase of a Compugraphic CompuWriter I, II IV, 48 or 88, you will want to upgrade it to EditWriter series capability.

Now you can, with the *Comtreck* WP2 system. For less than one half the cost of the EditWriter, you can upgrade your CompuWriter to a system having more capability than the EditWriters. You get a system with full screen editing, wordprocessing, a proof-printer and 450,000 keystrokes of storage per disk.

Your *Comtreck* system has a sophisticated microprocessor controlling the user-oriented features. It can increase your operator output by 75%. In addition, since all keystrokes can be saved, it is not necessary to do time consuming rekeyboarding of the copy to make corrections, rejustify, edit, change size or leading.

Only $7500 will provide you with a complete *Comtreck* WP2 system with...

EDITOR

The advanced easy to master *Comtreck* system allows powerful time saving editing of all captured keystrokes. The *Comtreck* global search and change allows you to locate single letters, words, phrases or sentences and to change one or all occurances in the text. You can move lines, paragraphs or complete blocks of text from one location to another. A cursor which can be moved up, down, right or left by the operator allows for insertion or deletions at the cursor position.

The *Comtreck* video monitor displays 74 characters per line with 16 or 36 lines on the screen. A constant command line displays the command and the typesetter functions that are presently being used. The commands are single keystrokes on special keys or they are in English where the abbreviation is sufficient.

WORD PROCESSING

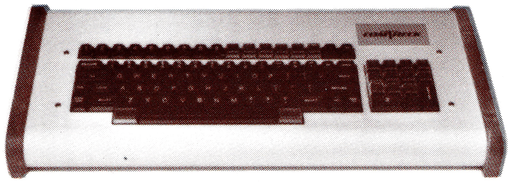
Our word processing software, included in the price of the *Comtreck* WP2 system, increases your productivity. You get advanced software which allows you to compose and set everything you could from the Compugraphic keyboard and to do many things more easily. Underlining is a simple command. Point sizes can be changed on the same line without breaking up a line.

SYSTEM AND MEMORY

This advanced software and some of the latest hardware gives you a typesetting system better than some systems costing $50,000 or more. The dual 8-inch floppy disks store 900,000 characters on line. The CP/M operating system is installed and used in thousands of computer based systems throughout the world.

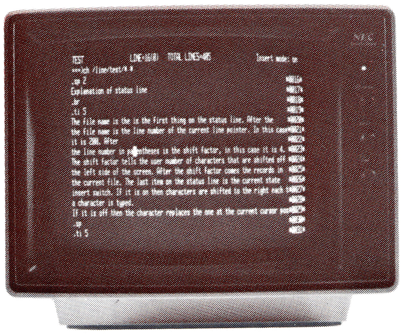
Financing and leasing available. Contact *Comtreck* for details.

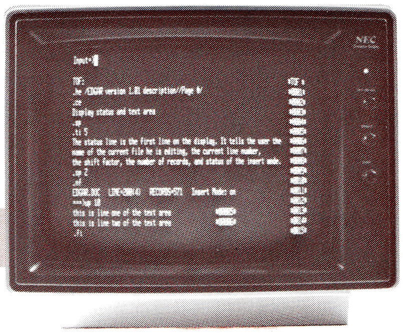
CRT & Keyboard



The keyboard is specially designed for operator productivity. In addition to the normal alphanumeric keys and controls, the keyboard uses individual designated keys for commands. Single key commanding of the WP2 system productes the most error free efficient environment for the operator. Cursor control is accomplished by single keys to the right of the main keyboard. Comtreck's solid state design minimizes training time, reduces operator fatigue and assures maximum error-free production.

Editing Screens

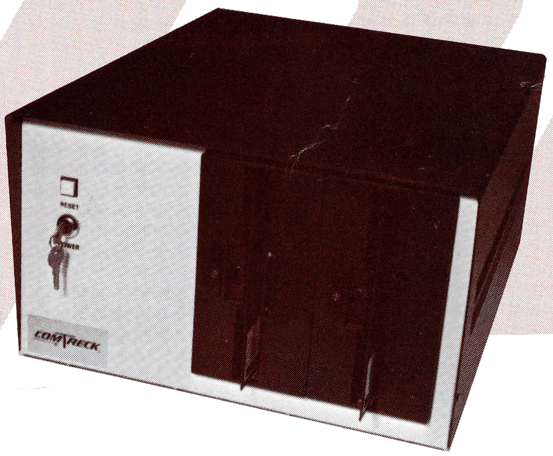




The single line FUNCTION FIELD at the top of the screen enhances operator efficiency by constantly displaying commands and format information. While in the editing mode, "EDGAR" speeds productivity with total free will movement of the cursor to any point on the text page displayed. The editing system uses easily understood commands such as SEARCH, CHANGE, OVERSTRIKE, DELETE...and single function keys to command special capabilities.

Each line of text entered is displayed on the lower part of the screen. The operator retains control of the editing features over an entire page during text entry. As the screen is filled text is automatically sent to the scrolling buffer (up to 20,000 character), before saving to a disk file. Text is entered with the WP2 parameters set by the operator, such as line length, ledding, type size, and white space. The Comtreck system provides composition capability equal to or better than that found on some of the more expensive machines.

Computer and Disk System



Versat 1 computer, designed by Comtreck, is versatile and expandable. Many typesetters claim to have some word processor features while the Versat 1 is a word processor capable of running a phototypesetter. For the first time, an owner of a Compugraphic Junior through 88 series can have the capabilites equal to or better than the MCS, EDITWRITER or COMP/EDIT systems. The Versat 1 can also be used for business applications with the addition of Comtreck software. The WP2 system increases operator throughput. Copy can be entered, edited, filed, recovered, reedited and typeset. The addition of an optional modem, Versat 1, can record keystrokes over a phone line for later editing and typesetting. Versat 1 can be expanded to a multi-tasking and/or multi-user system as your business expands.

Check the Comtreck WP2 Features!

EDITING

- ☐ Global Changes
- ☐ Global Search and Change
- ☐ Move blocks or words at will
- ☐ Page forward and backward
- ☐ Free wheel movement of cursor
- ☐ Line, word, character deletions or additions at will
- ☐ Windowing

WORD PROCESSOR

- ☐ Justification flexibility
- ☐ Visual positioning of tabled material (tabbing)
- ☐ Headings (automatic)
- ☐ Automated folios
- ☐ Temporary indenting right or left
- ☐ Proof reading from printout
- ☐ Automated underscore
- ☐ Standard features accessed by simple command:
  - Ragged right
  - Ragged left
  - Centering
  - Tabbing
  - Line spacing from a line to a page
    - (Point size plus selected leading)
  - Line spacing from a line to a page
  - One line editing
- ☐ Display 80 characters per line by 36 lines

MEMORY

- ☐ Two dual floppy 8 inch disks that allow 900,000 characters of storage. This is enough storage for 800 pages with 500 words per page.
- ☐ Optional Winchester type, 10 Megabyte hard disk for 20,000 pages of storage. This disk storage allows the direct editing at a future time, of all stored keystrokes.

FEATURES

- ☐ Compugraphic's keyboad is useable at all times.
- ☐ Commonly used commands are entered with single keystrokes. Simple English commands or abbreviations are used for other commands.
- ☐ Comtreck's price includes up to 16 hours of operator training at theAnn Arbor training center.*

Optional features:

- ☐ Data communication is accomplished over standard phone lines. Uses standard ASCII code, and RS232C interface. Data is then available to edit or typeset directly.
- ☐ Multitasking, allows the unit to then typeset while user is keying in another job.
- ☐ Job Estimating, Invoicing, Payroll, General Ledger, Accounts Receivable and Payable, Inventory Control and other software packages are available.
- ☐ Letter quality printer with carbon ribbon and changeable print wheel is optionally available.
- ☐ Multi user allows more than one station for typesetting, keyboarding or as an estimating station in addition to a typesetting station. (*available soon*)
- ☐ Hyphenation by rules.
- ☐ Automated footnotes.

Optional features below are available only on hard disk systems.

- ☐ Hyphenation dictionary
- ☐ Spelling dictionary with 20,000 of the most mispelled words plus room for 5,000 of user defined words
- ☐ Label Printing

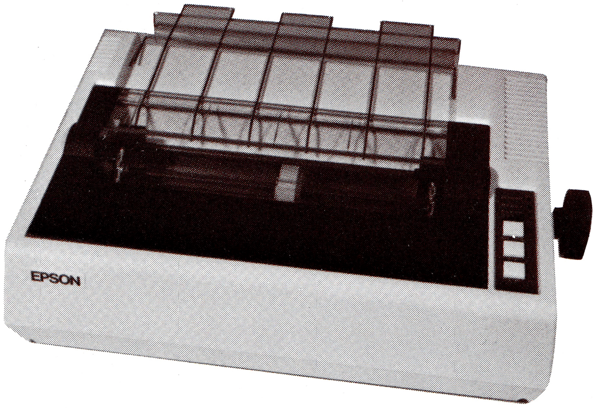
FUTURE OPTIONS:

- ☐ Proof done complete except for font, shows spacing, size and relative position.
- ☐ Specific cost control software for printers

* Travel and lodging expense not included.

Epson Dot Matrix Printer

The Epson Dot Matrix Printer allows double or single spaced text so you easily proof text, typesetting codes and line endings. Since paper proofs are ready to read as soon as the printer stops, your productivity is improved. Paper is over 100 times less expensive than photographic paper so your costs are dramatically reduced. The Epson printer is solid state and is currently operating in thousands of installations.



Optional Features:

Printer (Dot Matrix)

Print Method	Impact dot matrix
Character Set	ASCII 9 X 9 dot matrix + Graphic 64, 6 X 12
Font	9 X 9 dot matrix
Character Size	2.1 mm. Wide X 3.1 mm. Tall
Paper Feed	Adjustable Sprocket Feed
Paper Width	101.6 mm. (4″) – 254 mm. (10″)
Copies	Original and two carbons
Paper Thickness	0.3 mm. (0.01″)
Line Spacing	6 lines per inch or programmable
Columns	80 normal size or 40 enlarged 132 condensed or 66 condensed enlarged
Speed	80 characters per second
Ribbon	Cartridge
Size	14.7″ Wide X 12.0″ Deep X 4.2″ High
Electrical	115 Volt, 60 Hz.

Printer (Letter Quality)

Print Method	Daisy Wheel Impact
Character Set	ASCII 96 Special wheels available
Font	Many available
Character Size	Several available
Paper Feed	Sprocket or Standard sheet feed
Paper Width	Up to 15 inches
Copies	Original and two copies
Ribbon	Cartridge mylar carbon or nylon fabric
Columns	163 – 136 printable
Speed	45 Characters per second
Size	24.6″ Wide X 14.9″ Deep X 10.2″ High
Electrical	115 Volt, 60 Hz.

Multitasking

Hardware	An S-100 Bus Board with memory management (Includes software)
Multi tasking Multiuser Hardware	Special Memory Management Board (Includes software)

Software Options

Estimating Package
Payroll
Invoicing
Inventory Control
General Ledger
Accounts Receivable
Accounts Payable

Other programming languages are also available such as "C", Fortran and Pascal

Specifications:

Desk size	48″ Long X 30″ Wide X 28 ″ High Computer mounts underneath Room for Keyboard, Display and Printer on top.
Display	
Bandwidth	20 MHz. Video bandwidth
Screen	Green Phosphor
Display Format	80 X 24 Characters
Size	14″ Wide X 12″ High X 12″ Deep
Electrical	110Volt A.C. - 60 Hz.
Microprocessor	
Type	S-100 IEEE Bus Compatible
Speed	4 MHz. Clock
Memory (RAM)	64 Kilobytes
Operating System	CP/M 2.2 CP/M Bootstrap loader in PROM
Disks	Two 8″ Single or Double Density
Format	3740 IBM Compatible Single Density
Storage	450 Kilobytes/disk Double Density
Mechanical	9⅝″ High X 17″ Wide X 21″ Deep
Card Cage	8 slot; with 2 or 3 extra slots depending on options
Electrical	110Volt, 60 Hz. with circuit breaker

Software:

A unique Editor named "**Edgar**" that can find, insert, change, move characters, words or paragraph blocks. Also features paging and cursor control plus other features found usually only on larger computers.

WP2 Word processor software which controls the Compugraphic machine and causes it to set as per the programmed instructions.

Basic...An expanded and enhanced Basic.

Interface:

Via 8 foot ribbon cable and one Printed Circuit Board which plugs into Compugraphic machine.

COMTRECK™

is represented by:

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